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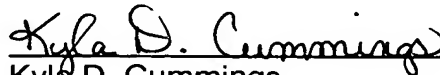
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The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/WEAT/0116.C1/KDC.

Respectfully submitted,

A handwritten signature in cursive script, reading "Kyla D. Cummings", is written over a horizontal line.

Kyla D. Cummings

Registration No. 50,682

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Attorney for Applicant

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 12

|                        |                  |
|------------------------|------------------|
| Application Number     | 10/625,840       |
| Filing Date            | July 23, 2003    |
| First Named Inventor   | David M. Haugen  |
| Group Art Unit         | 3672             |
| Examiner Name          | Unknown          |
| Attorney Docket Number | WEAT/0116.C1     |
| Customer No.           | 36735            |
| Submission Date        | January 13, 2005 |

**U.S. PATENT DOCUMENTS**

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|--------------------|-----------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |
|                    | A1                    | US-2,167,338                             | 07-25-1939                     | Murcell                                            |                                                                                 |
|                    | A2                    | US-2,228,503                             | 01-14-1941                     | Boyd, et al.                                       |                                                                                 |
|                    | A3                    | US-2,370,832                             | 03-06-1945                     | Baker                                              |                                                                                 |
|                    | A4                    | US-2,379,800                             | 07-03-1945                     | Hare                                               |                                                                                 |
|                    | A5                    | US-2,414,719                             | 01-21-1947                     | Cloud                                              |                                                                                 |
|                    | A6                    | US-2,720,267                             | 10-11-1955                     | Brown                                              |                                                                                 |
|                    | A7                    | US-2,741,907                             | 06-06-1997                     | Genender, et al.                                   |                                                                                 |
|                    | A8                    | US-3,006,415                             | 10-31-1961                     | Burns, et al.                                      |                                                                                 |
|                    | A9                    | US-3,041,901                             | 07-03-1962                     | Knights                                            |                                                                                 |
|                    | A10                   | US-3,054,100                             | 09-11-1962                     | Jones                                              |                                                                                 |
|                    | A11                   | US-3,090,031                             | 05-14-1963                     | Lord                                               |                                                                                 |
|                    | A12                   | US-3,111,179                             | 11-19-1963                     | Albers, et al.                                     |                                                                                 |
|                    | A13                   | US-3,117,636                             | 01-24-1964                     | Wilcox, et al.                                     |                                                                                 |
|                    | A14                   | US-3,124,023                             | 3-10-1964                      | Marquis, et al.                                    |                                                                                 |
|                    | A15                   | US-3,131,769                             | 05-05-1964                     | Rochemont                                          |                                                                                 |
|                    | A16                   | US-3,193,116                             | 07-06-1965                     | Kenneday, et al.                                   |                                                                                 |
|                    | A17                   | US-3,419,079                             | 12-31-1968                     | Current                                            |                                                                                 |
|                    | A18                   | US-3,548,936                             | 12-22-1970                     | Kilgore, et al.                                    |                                                                                 |

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|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |                |
|                    | B1                    | CA 2 335 192                             | 11-30-2001                     | Kozak                                              |                                                                                 |                |
|                    | B2                    | DE 3 523 221                             | 02-01-1987                     | Svetozar                                           |                                                                                 |                |
|                    | B3                    | DE 3 918 132                             | 12-14-1989                     | Eriksson                                           |                                                                                 |                |
|                    | B4                    | EP 0 474 481                             | 03-11-1992                     | Moody                                              |                                                                                 |                |
|                    | B5                    | EP 0 087 373                             | 08-31-1983                     | Plaquin                                            |                                                                                 |                |

Examiner

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|                    | A19                   | US-3,552,507                             | 01-05-1971                     | Brown                                              |                                                                                 |
|                    | A20                   | US-3,552,848                             | 01-05-1971                     | Van Wagner                                         |                                                                                 |
|                    | A21                   | US-3,566,505                             | 03-02-1971                     | Martin                                             |                                                                                 |
|                    | A22                   | US-3,602,302                             | 08-31-1971                     | Kluth                                              |                                                                                 |
|                    | A23                   | US-3,606,664                             | 09-21-1971                     | Weiner                                             |                                                                                 |
|                    | A24                   | US-3,635,105                             | 01-18-1972                     | Dickmann, et al.                                   |                                                                                 |
|                    | A25                   | US-3,680,412                             | 08-01-1972                     | Mayer, et al.                                      |                                                                                 |
|                    | A26                   | US-3,691,825                             | 09-19-1972                     | Dyer                                               |                                                                                 |
|                    | A27                   | US-3,696,332                             | 10-03-1972                     | Dickson, Jr., et al.                               |                                                                                 |
|                    | A28                   | US-3,776,320                             | 12-04-1973                     | Brown                                              |                                                                                 |
|                    | A29                   | US-3,776,991                             | 12-04-1973                     | Marcus                                             |                                                                                 |
|                    | A30                   | US-3,848,684                             | 11-19-1974                     | West                                               |                                                                                 |
|                    | A31                   | US-3,857,450                             | 12-31-1974                     | Guier                                              |                                                                                 |
|                    | A32                   | US-3,913,687                             | 10-21-1975                     | Gyongyosi, et al.                                  |                                                                                 |
|                    | A33                   | US-4,054,332                             | 10-18-1977                     | Bryan, Jr.                                         |                                                                                 |
|                    | A34                   | US-4,095,865                             | 06-20-1978                     | Denison, et al.                                    |                                                                                 |
|                    | A35                   | US-4,127,927                             | 12-05-1978                     | Hauk, et al.                                       |                                                                                 |
|                    | A36                   | US-4,194,383                             | 03-25-1980                     | Huzyak                                             |                                                                                 |

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|                    | B6                    | EP 0 162 000                             | 11-21-1985                     | Hamilton                                           |                                                                                 |                |
|                    | B7                    | EP 0 171 144                             | 02-12-1986                     | Stringfellow, et al.                               |                                                                                 |                |
|                    | B8                    | EP 0 285 386                             | 10-05-1988                     | Haney                                              |                                                                                 |                |
|                    | B9                    | EP 0 426 123                             | 05-08-1991                     | Reis, et al.                                       |                                                                                 |                |
|                    | B10                   | EP 0 525 247                             | 02-03-1993                     | Willis                                             |                                                                                 |                |

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|                    | A37                   | US-4,227,197                             | 10-07-1980                     | Nimmo, et al.                                      |                                                                                 |
|                    | A38                   | US-4,241,878                             | 12-30-1980                     | Underwood                                          |                                                                                 |
|                    | A39                   | US-4,277,197                             | 07-07-1981                     | Bingham                                            |                                                                                 |
|                    | A40                   | US-4,280,380                             | 07-28-1981                     | Eshghy                                             |                                                                                 |
|                    | A41                   | US-4,311,195                             | 01-19-1982                     | Mullins, II                                        |                                                                                 |
|                    | A42                   | US-4,392,534                             | 07-12-1983                     | Miida                                              |                                                                                 |
|                    | A43                   | US-4,407,378                             | 10-04-1983                     | Thomas                                             |                                                                                 |
|                    | A44                   | US-4,427,063                             | 01-24-1984                     | Skinner                                            |                                                                                 |
|                    | A45                   | US-4,437,363                             | 03-20-1984                     | Haynes                                             |                                                                                 |
|                    | A46                   | US-4,445,734                             | 05-01-1984                     | Cunningham                                         |                                                                                 |
|                    | A47                   | US-4,449,596                             | 05-22-1984                     | Boyadjieff                                         |                                                                                 |
|                    | A48                   | US-4,494,424                             | 01-22-1985                     | Bates                                              |                                                                                 |
|                    | A49                   | US-4,529,045                             | 07-16-1985                     | Boyadjieff, et al.                                 |                                                                                 |
|                    | A50                   | US-4,570,706                             | 02-18-1986                     | Pugnet                                             |                                                                                 |
|                    | A51                   | US-4,592,125                             | 06-03-1986                     | Skene                                              |                                                                                 |
|                    | A52                   | US-4,593,773                             | 06-10-1986                     | Skele                                              |                                                                                 |
|                    | A53                   | US-4,605,268                             | 08-12-1986                     | Meador                                             |                                                                                 |
|                    | A54                   | US-4,625,796                             | 12-02-1986                     | Boyadjieff                                         |                                                                                 |

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|                    | B11                   | EP 0 589 823                             | 03-03-1994                     | Busink, et al.                                     |                                                                                 |                |
|                    | B12                   | EP 0 659 975                             | 06-28-1995                     | Nagaoka, et al.                                    |                                                                                 |                |
|                    | B13                   | EP 0 790 386                             | 08-20-1997                     | Newton, et al.                                     |                                                                                 |                |
|                    | B14                   | EP 0 881 354                             | 04-24-1998                     | Vercaemen, et al.                                  |                                                                                 |                |
|                    | B15                   | EP 0 962 384                             | 12-08-1999                     | Poldervaart                                        |                                                                                 |                |

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|                    | A55                   | US-4,646,827                             | 03-03-1987                     | Cobb                                               |                                                                                 |
|                    | A56                   | US-4,649,777                             | 03-17-1987                     | Buck                                               |                                                                                 |
|                    | A57                   | US-4,667,752                             | 05-26-1987                     | Berry, et al.                                      |                                                                                 |
|                    | A58                   | US-4,676,312                             | 06-30-1987                     | Mosing, et al.                                     |                                                                                 |
|                    | A59                   | US-4,683,962                             | 08-04-1987                     | True                                               |                                                                                 |
|                    | A60                   | US-4,691,587                             | 09-08-1987                     | Farrand, et al.                                    |                                                                                 |
|                    | A61                   | US-4,709,599                             | 12-01-1987                     | Buck                                               |                                                                                 |
|                    | A62                   | US-4,709,766                             | 12-01-1987                     | Boyadjieff                                         |                                                                                 |
|                    | A63                   | US-4,738,145                             | 04-19-1988                     | Vincent, et al.                                    |                                                                                 |
|                    | A64                   | US-4,742,876                             | 05-10-1988                     | Barthelemy, et al.                                 |                                                                                 |
|                    | A65                   | US-4,759,239                             | 07-26-1988                     | Hamilton, et al.                                   |                                                                                 |
|                    | A66                   | US-4,765,401                             | 08-23-1988                     | Boyadjieff                                         |                                                                                 |
|                    | A67                   | US-4,773,689                             | 09-27-1988                     | Wolters                                            |                                                                                 |
|                    | A68                   | US-4,775,009                             | 10-04-1988                     | Wittrisch, et al.                                  |                                                                                 |
|                    | A69                   | US-4,781,359                             | 11-01-1988                     | Matus                                              |                                                                                 |
|                    | A70                   | US-4,788,544                             | 11-29-1988                     | Howard                                             |                                                                                 |
|                    | A71                   | US-4,791,997                             | 12-20-1988                     | Krasnov                                            |                                                                                 |
|                    | A72                   | US-4,793,422                             | 12-27-1988                     | Krasnov                                            |                                                                                 |

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|                    | B16                   | EP 1 256 691                             | 11-13-2002                     | Hawkins, et al.                                    |                                                                                 |                |
|                    | B17                   | FR 2 841 293                             | 12-26-2003                     | Bouygues Offshore                                  |                                                                                 |                |
|                    | B18                   | GB 2 115 940                             | 09-14-1983                     | Plaquin                                            |                                                                                 |                |
|                    | B19                   | GB 2 224 481                             | 09-05-1990                     | Voeten                                             |                                                                                 |                |
|                    | B20                   | GB 2 275 486                             | 04-15-1993                     | Eiane, et al.                                      |                                                                                 |                |

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|                    | A73                   | US-4,800,968                             | 01-31-1989                     | Shaw, et al.                                       |                                                                                 |
|                    | A74                   | US-4,806,928                             | 02-21-1989                     | Veneruso                                           |                                                                                 |
|                    | A75                   | US-4,813,493                             | 03-21-1989                     | Shaw, et al.                                       |                                                                                 |
|                    | A76                   | US-4,836,064                             | 06-06-1989                     | Slator                                             |                                                                                 |
|                    | A77                   | US-4,867,236                             | 09-19-1989                     | Haney, et al.                                      |                                                                                 |
|                    | A78                   | US-4,878,546                             | 11-07-1989                     | Shaw, et al.                                       |                                                                                 |
|                    | A79                   | US-4,901,069                             | 02-13-1990                     | Veneruso                                           |                                                                                 |
|                    | A80                   | US-4,936,382                             | 06-26-1990                     | Thomas                                             |                                                                                 |
|                    | A81                   | US-4,962,579                             | 10-16-1990                     | Moyer, et al.                                      |                                                                                 |
|                    | A82                   | US-5,009,265                             | 04-23-1991                     | Bailey, et al.                                     |                                                                                 |
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|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |                |
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| First Named Inventor   | David M. Haugen  |
| Group Art Unit         | 3672             |
| Examiner Name          | Unknown          |
| Attorney Docket Number | WEAT/0116.C1     |
| Customer No.           | 36735            |
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|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |
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|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |                |
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| Group Art Unit         | 3672             |
| Examiner Name          | Unknown          |
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| Group Art Unit         | 3672             |
| Examiner Name          | Unknown          |
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

|                        |                  |
|------------------------|------------------|
| Application Number     | 10/625,840       |
| Filing Date            | July 23, 2003    |
| First Named Inventor   | David M. Haugen  |
| Group Art Unit         | 3672             |
| Examiner Name          | Unknown          |
| Attorney Docket Number | WEAT/0116.C1     |
| Customer No.           | 36735            |
| Submission Date        | January 13, 2005 |

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## **U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |
|                    | A173                  | US-2004/0108142                          | 06-10-2004                     | Vail, III                                          |                                                                                 |
|                    | A174                  | US-2004/0112646                          | 06-17-2004                     | Vail                                               |                                                                                 |
|                    | A175                  | US-2004/0118613                          | 06-24-2004                     | Vail                                               |                                                                                 |
|                    | A176                  | US-2004/0123984                          | 07-01-2004                     | Vail                                               |                                                                                 |
|                    | A177                  | US-2004/0124015                          | 07-01-2004                     | Vaile, et al.                                      |                                                                                 |
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|                    | A179                  | US-2004/0140128                          | 07-22-2004                     | Vail                                               |                                                                                 |
|                    | A180                  | US-2004/0173358                          | 09-09-2004                     | Haugen                                             |                                                                                 |
|                    | A181                  | US-2004/0216925                          | 11-04-2004                     | Metcalf, et al.                                    |                                                                                 |
|                    | A182                  | US-2004/0112646                          | 06-17-2004                     | Vail                                               |                                                                                 |
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|                    | A185                  | US-                                      |                                |                                                    |                                                                                 |
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|                    | A187                  | US-                                      |                                |                                                    |                                                                                 |
|                    | A188                  | US-                                      |                                |                                                    |                                                                                 |
|                    | A189                  | US-                                      |                                |                                                    |                                                                                 |
|                    | A190                  | US-                                      |                                |                                                    |                                                                                 |

## **FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document                  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----------------|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |                |
|                    | B46                   | FR 2741907                               | 06-06-1997                     | Leighton                                           |                                                                                 |                |
|                    | B47                   |                                          |                                |                                                    |                                                                                 |                |
|                    | B48                   |                                          |                                |                                                    |                                                                                 |                |
|                    | B49                   |                                          |                                |                                                    |                                                                                 |                |
|                    | B50                   |                                          |                                |                                                    |                                                                                 |                |

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(Use as many sheets as necessary)*

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| Application Number     | 10/625,840       |
| Filing Date            | July 23, 2003    |
| First Named Inventor   | David M. Haugen  |
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| Examiner Name          | Unknown          |
| Attorney Docket Number | WEAT/0116.C1     |
| Customer No.           | 36735            |
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**NON PATENT LITERATURE DOCUMENTS**

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|-----------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                       |                          | DETLEF HAHN, FRIEDHELM MAKOHL, and LARRY WATKINS, Casing-While Drilling System Reduces Hole Collapse Risks, Offshore, Pages 54, 56, and 59, February 1998                                                                                                      |                |
|                       |                          | YAKOV A. GELFGAT, MIKHAIL Y. GELFGAT and YURI S. LOPATIN, Retractable Drill Bit Technology – Drilling Without Pulling Out Drillpipe, Advanced Drilling Solutions Lessons From the FSU; June 2003; Vol. 2, pps. 351-464                                         |                |
|                       |                          | TOMMY WARREN, SPE, BRUCE HOUTCHENS, SPE, GARRET MADELL, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003                                                                                            |                |
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|                       |                          | Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages                                                                                                                                                              |                |
|                       |                          | The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997                                                                                                                                                                               |                |
|                       |                          | MIKE KILLALEA, Portable Top Drives: What's Driving The Market?, IADC, Drilling Contractor, September 1994, 4 Pages                                                                                                                                             |                |
|                       |                          | 500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages                                                                                                                                          |                |

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|-----------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                       |                          | 500 or 650 HCIS Top Drive, Powerful Hydraulic Compact Top Drive Drilling System, TESCO Drilling Technology, April 1998, 2 Pages                                                                                                                                |                |
|                       |                          | Product Information (Sections 1-10) CANRIG Drilling Technology, Ltd., September 18, 1996                                                                                                                                                                       |                |
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